

Fairfax County Community-wide Energy and Climate Action Plan (CECAP)

Sector Sub-Group Meeting
Strategies Discussions

Tuesday, December 1 and Wednesday, December 2, 2020

6:00 PM – 8:30 PM

Held Electronically via WebEx



Office of Environmental and Energy Coordination

At this time, we will be conducting the legal requirements that allow us to hold an electronic meeting during the COVID-19 pandemic.

The meeting is now being recorded.

During roll call, provide your name, where you are participating, and affiliation.

Welcome & Meeting Overview

Michelle Paul Heelan, Ph.D. – ICF Facilitator
Energy Subgroup

Candace Blair Cronin, Ph.D. – ICF Facilitator
Transportation/Development Subgroup



Agenda

Welcome and Meeting Overview

WebEx tips

CECAP Process Update

Review Public Feedback + Q&A

Strategy Discussion Starters

Detailed Review of Strategies on Mural



Wrap Up and Next Steps

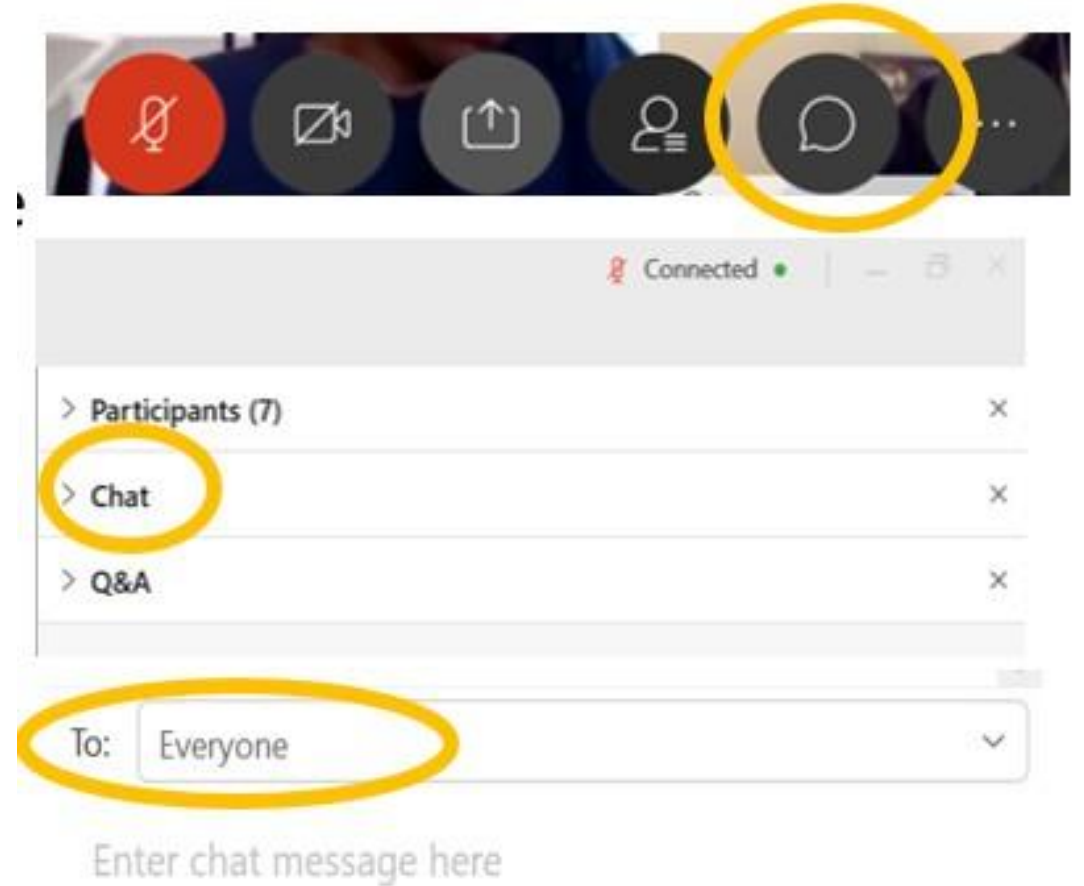
Meeting Objectives

- **Provide update** on status of CECAP process and administrative items
- **Review** public feedback from public meetings and community survey
- **Review** strategy discussion starters
- **Begin the discussion** around strategies and actions, implementation methods, and impacts, and **start to add to/endorse/modify** the list that will be included in the CECAP.
 - What should stay?
 - What's missing?
 - What should be revised?



How to Use the WebEx Chat Box

1. Hover over the middle of the screen and click on the speech bubble icon to activate the Chat Panel. →
2. Select the arrow next to Chat. →
3. Write your comment in the Chat & send to **All Panelists or Everyone.** →



How to Speak Up

1. Hover over the middle of the screen and click on the speech bubble icon to activate the Chat Panel. →



2. Select the arrow next to Chat. →



3. Type “**SPEAK**” in the Chat box and send to **All Panelists or Everyone**. →

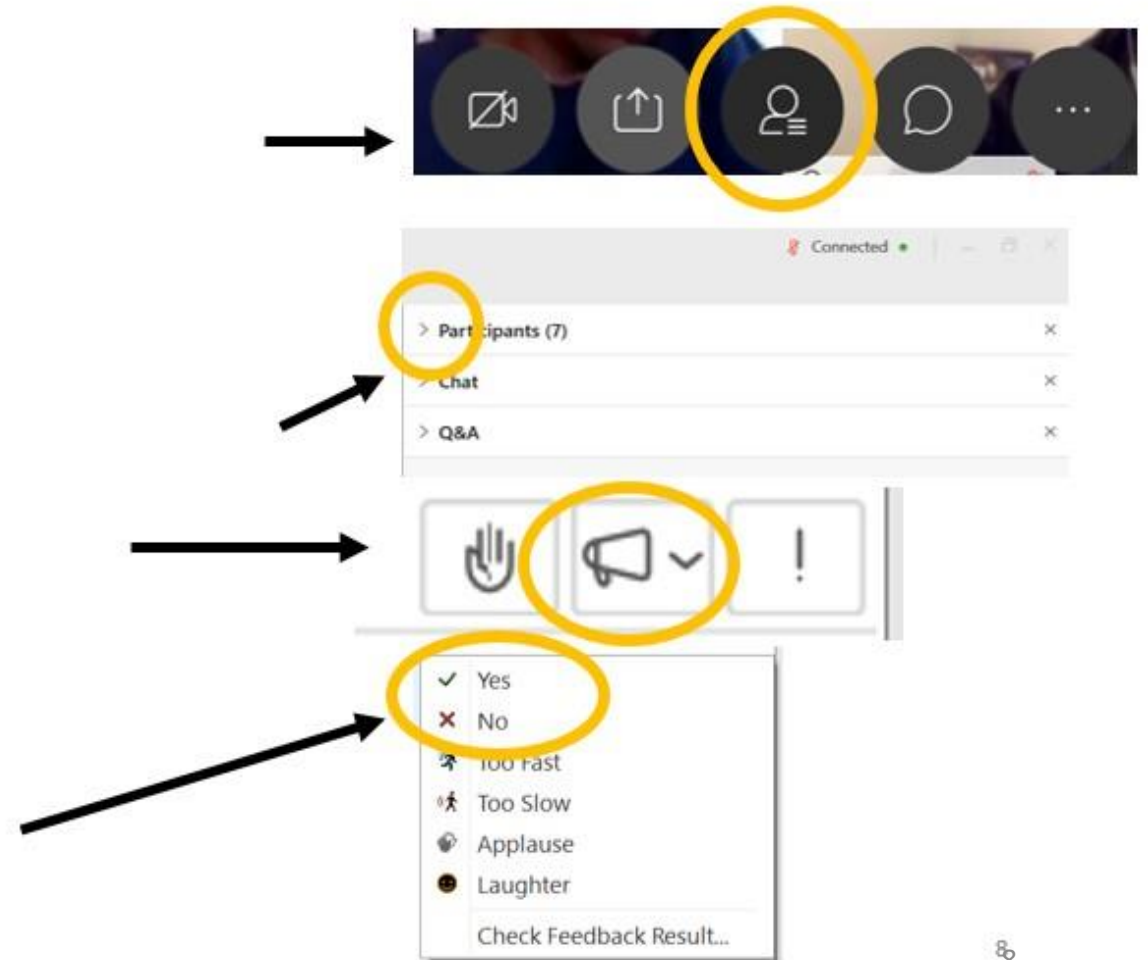


4. The facilitator will call on you to speak.

How to Provide Yes/No Feedback in WebEx

For Yes/No feedback:

1. Hover over the middle of the screen and click on the person icon to activate the Participant Panel.
2. Select the arrow next to Participants.
3. Click on the megaphone in the bottom right corner of the Participant Panel.
4. Use the check and X icons.



CECAP Process Update

Maya Dhavale, Fairfax County



CECAP Process



CECAP Working Group General Meeting Timeline



Timeline

Month	Milestones
January 2020	Task Force and Focus Group kickoff meetings
March 2020	Task Force meeting, focused on GHG inventory, GHG models & preliminary goal setting
July 2020	Task Force meeting, focused on setting goals for CECAP
August 2020	Public input on CECAP
September 2020	Task Force meeting, focusing on reviewing public input on goals, setting goals, and beginning to discuss strategies for meeting these goals
October 2020	Update Board of Supervisors (BOS)
November 2020	Task Force meeting, focusing on reviewing the draft list of strategies
December 2020	Sector subgroup meetings , focusing on reviewing the draft list of strategies; BOS update
January 2021	Sector subgroup meetings , focusing on reviewing list of strategies
February 2021	Public input on CECAP
March 2021	Sector sub-group meetings , focusing on finalizing Task 3 deliverables/incorporating public feedback
April 2021	BOS update Working Group meeting, focusing on review of materials produced to date / draft CECAP report, and review of community outreach / implementation plan draft
May 2021	Public input on draft CECAP
June 2021	Final Working Group meeting, focusing on reviewing public feedback and finalizing the CECAP report
July 2021	CECAP presented to BOS at committee meeting, with adoption of plan to follow

Review Public Feedback

Maya Dhavale, Fairfax County





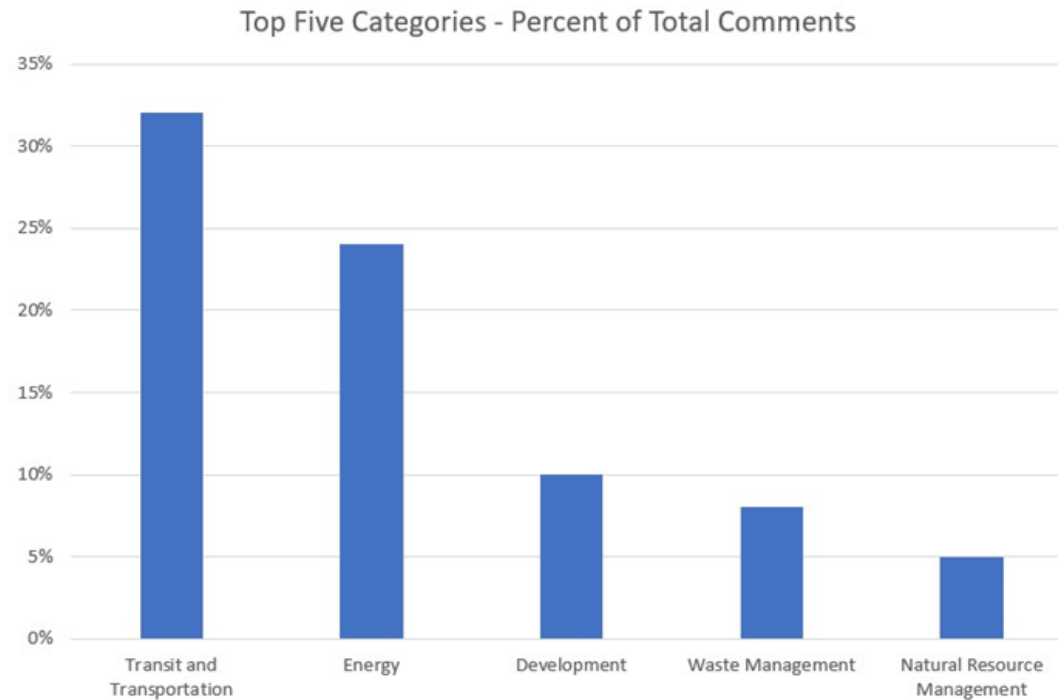
Public Feedback – Overview

The first round of CECAP public engagement took place from August 27 – September 13, 2020.

- 1,957 responses to an online public survey
- 150 participants in three virtual public meetings
- 835 free-form comments recorded and catalogued

The public commented via a text box within the survey, via the chat function in the public meetings, and by emailing the OEEC.

Top Five Areas of Public Concern



Feedback provided via free form comments suggests that the Fairfax County community has five major areas of concern in relation to climate planning.

- Transit and Transportation
- Energy
- Development
- Waste Management
- Natural Resource Management

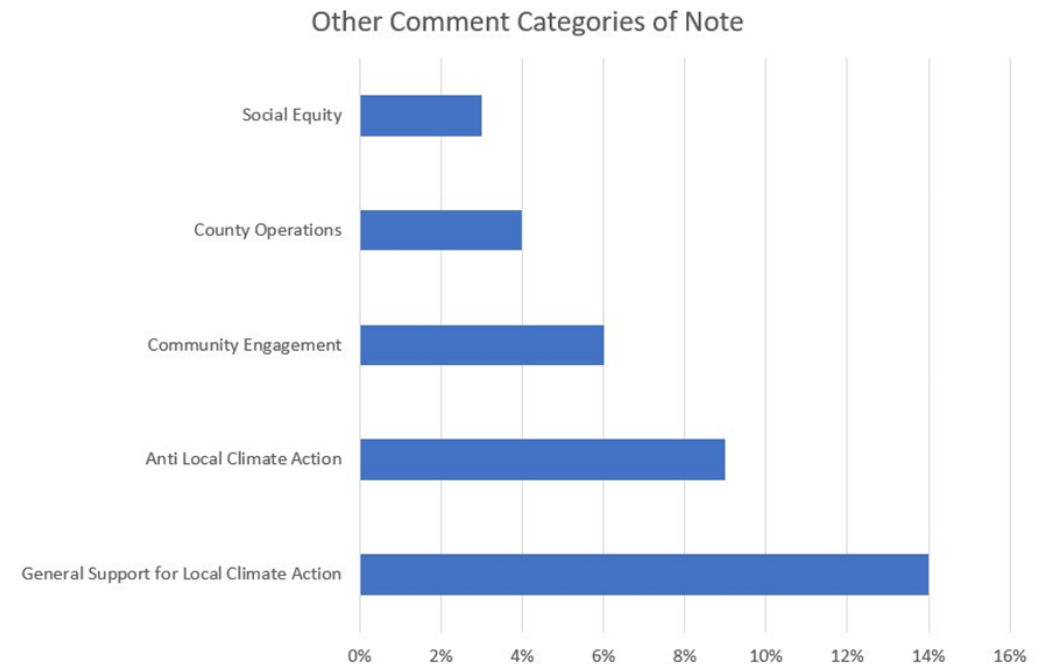
Other Comment Categories of Note

A review of public comments also revealed that our community cares deeply about related issues, such as:

- Social Equity
- County Operations
- Community Engagement and Education

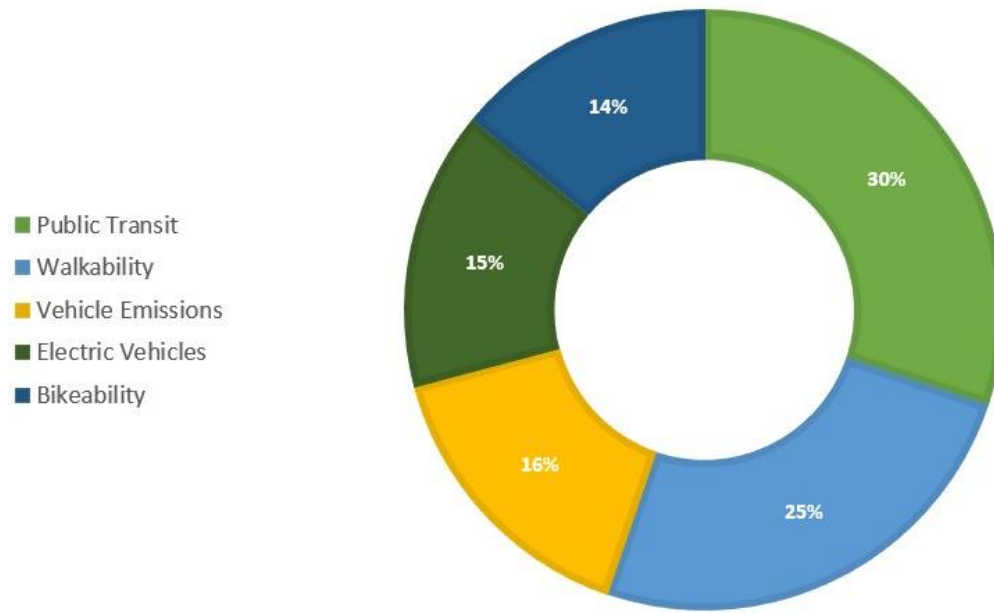
~10% of comments expressed displeasure with the county addressing climate change at all.

~15% of comments expressed general support for county efforts to address climate change.



What We Learned About Transportation

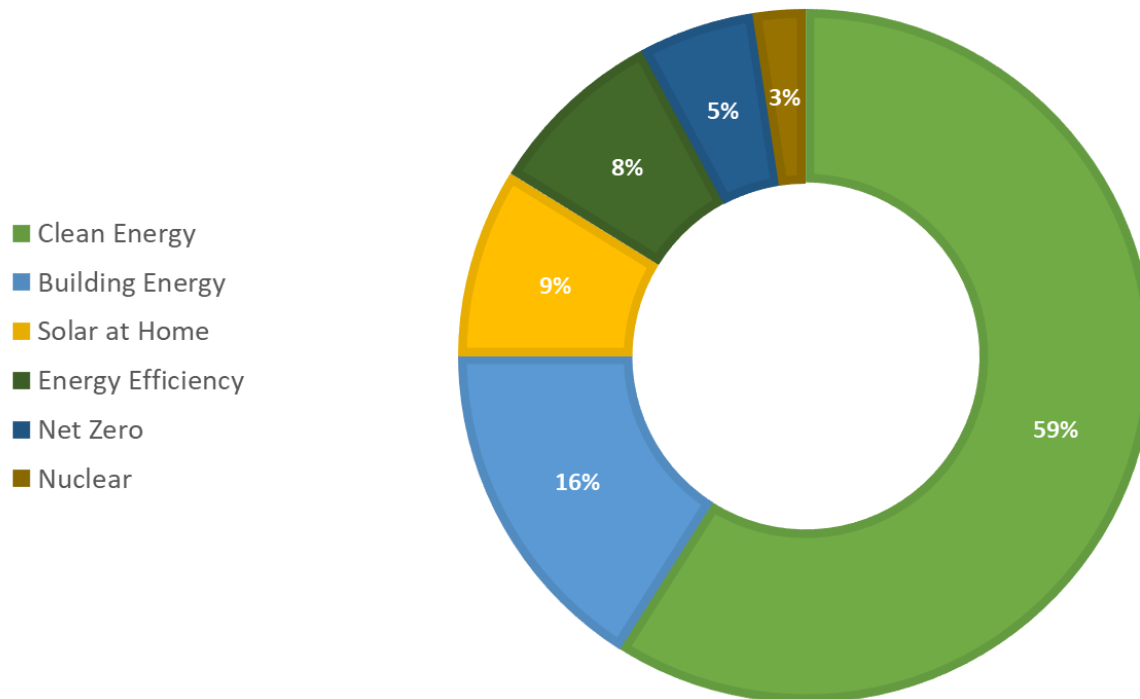
TRANSIT AND TRANSPORTATION-RELATED COMMENTS



- 97% of survey respondents indicated that they drive sometimes or always to get where they need to go. Convenience is the principal reason why they drive.
- 85% of survey respondents indicated they are somewhat or very unlikely to change their driving habits in the next two years.
- The comments showed that reliability of and access to public transit are major hurdles in our community.
- Many comments focused on a desire for more walkable, connected communities.

What We Learned About Energy

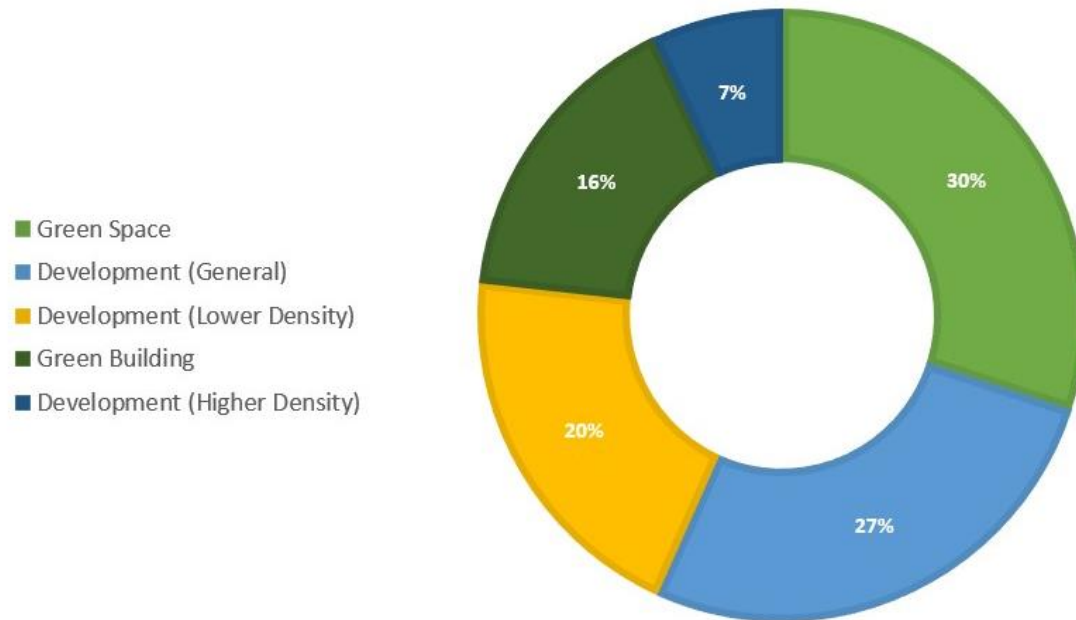
ENERGY-RELATED COMMENTS



- None of the residential energy improvements put forward in the survey were of interest to a majority of survey respondents.
- The survey results indicate that cost is the biggest hurdle for residential energy improvements in the county.
- The only improvement business owners expressed interest in was lighting upgrades.
- Nearly 60% of comments received were related to clean energy and renewables.

What We Learned About Development

DEVELOPMENT-RELATED COMMENTS



- 30% of public comments expressed a desire to create and preserve green space across the county
- 20% of the public comments mentioned a desire for lower density development and frustration with crowding.
- Other development concerns included issues with zoning and the widening of roads.

What We Learned About Support for Policy Changes

- 68% of survey respondents would support giving the county additional regulatory authority to address emissions.
- There is broad support across the board for policies that would reduce emissions, including those that would promote walking, energy efficiency in buildings, and more.
- 62% of survey respondents would support a tax increase to fund policies and programs that reduce emissions.





More Info Is Available

For more in-depth analysis of both the survey results and the comments received, the following resources are available:

[Narrative summary of survey responses](#)

[Overview of public comments](#)

Q&A

Michelle Paul Heelan, Ph.D. – ICF Facilitator
Energy Subgroup

Candace Blair Cronin, Ph.D. – ICF Facilitator
Transportation/Development Subgroup



Strategy Discussion Starters

Adam Agalloco, ICF



Discussion Starter Documents

[Link to Energy meeting page](#)

[Link to Transportation & Development meeting page](#)

- What we've provided:
 - Background information and a framework for discussion
 - A list of potential Strategies, Actions, and Implementation methods.
- What we haven't provided:
 - A comprehensive set of information
 - Priorities on actions and implementation methods
 - How impacts should be considered

Key Terms

Sector: An area of emissions focus or an economic sector which generates carbon emissions from its energy use or economic activity.

- Examples of sectors include buildings, renewable energy, energy efficiency, transportation, and waste.

Strategy: A broader set of actions or set of sub-sector work that can be modeled to understand emissions reductions.

Action: A project or specific technology that impacts greenhouse gas emissions within a strategy or sector.

Implementation: Programs or policies that support realization of actions.

Impacts: Results of the action or implementation

Emerging Technologies: Technologies that are not yet widely commercially available and still developing.

Key Terms (simply stated)

Action: What needs to be done.

Implementation: How we will do it.

Impacts: How it affects us.

Implementation Categories

Category 1: Implementation programs and policies currently available to County: County measures and voluntary programs that the county can do right now.

Category 2: Implementation programs and policies that might become available to the County in the future: County programs and policies that the County might someday be able to do with state enabling legislation. Items in this section is work that the County and its stakeholders can advocate for at the state level.

Category 3: Implementation programs and policies that need Regional, State or Federal Action: State and Federal measures and programs that the County will likely not have the authority to do on its own. Items in this section is work that the County and its stakeholders can advocate for the state, regional or federal to do to support County goals.

Implementation Categories (simply stated)

Category 1: Voluntary or county measures that can be done right now

Category 2: County measures we can't be done right now, but might be able to do in the future

Category 3: State and Federal measures that support County work.

One Fairfax

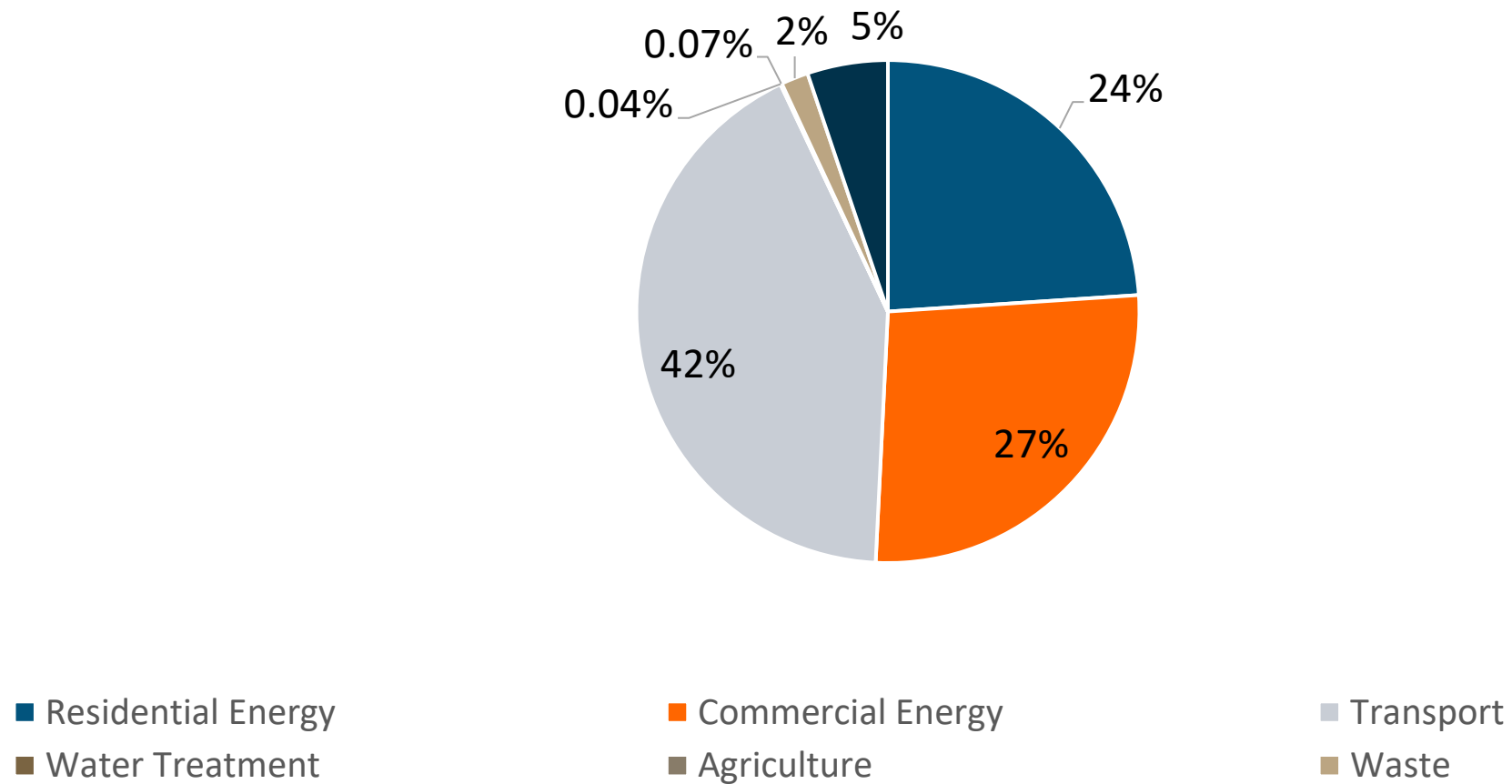
One Fairfax, adopted in 2016, is a joint social and racial equity policy of the Fairfax County Board of Supervisors and School Board. It commits the county and schools to intentionally consider equity when making policies or delivering programs and services.

It's a declaration that **all residents deserve an equitable opportunity to succeed**—regardless of their race, color, sex, nationality, sexual orientation, religion, disability, income or where they live.

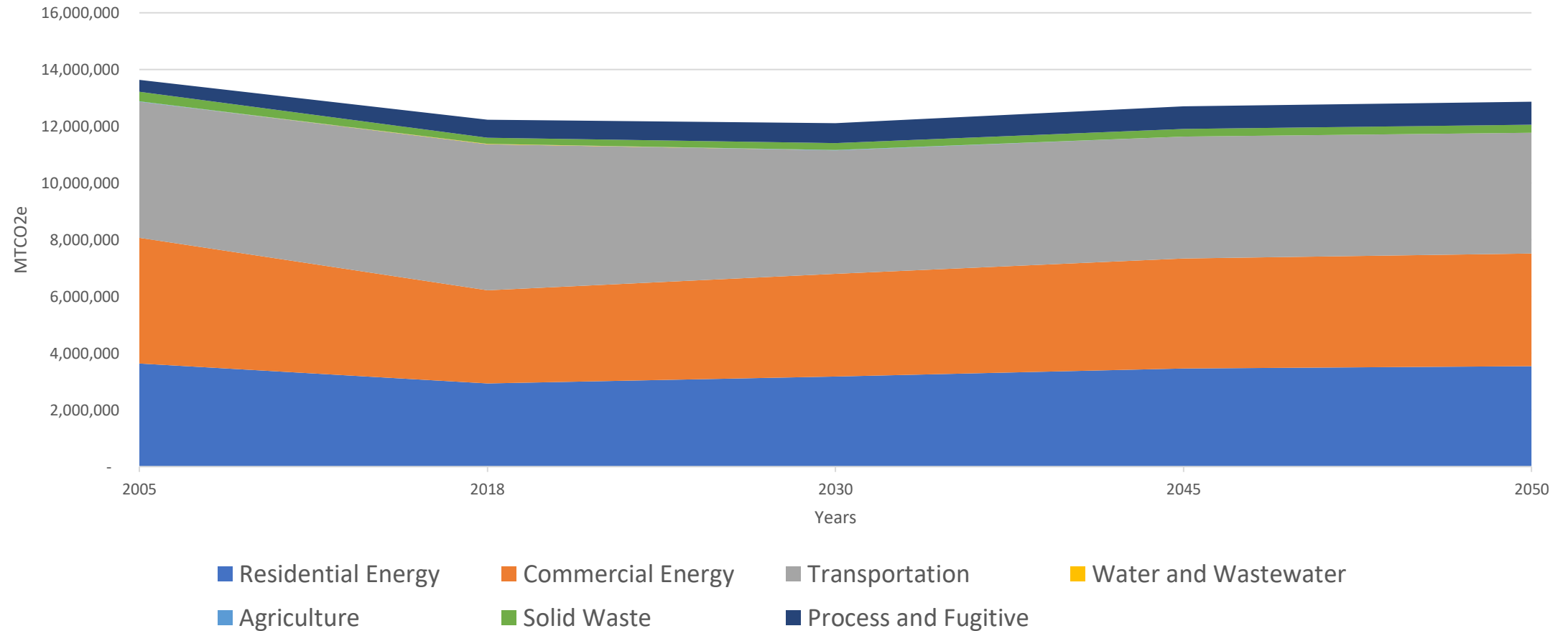
- **Social and Racial Equity**
- **Economics and Economic Opportunity**
- **Health and Environmental Justice**

[Link to One Fairfax information](#)

Fairfax County 2018 GHG Inventory Sector Shares



Fairfax County BAU Projections



Break
5 minutes

Get ready for
Mural when
we return



Detailed Review of Strategies

Michelle Paul Heelan, Ph.D. – ICF Facilitator
Energy Subgroup

Candace Blair Cronin, Ph.D. – ICF Facilitator
Transportation/Development Subgroup

Adam Agalloco, ICF

Logan Pfeiffer, ICF Mural Lead



Strategy Discussion Starters

Buildings and Energy Efficiency

- Strategy #1: Increase energy efficiency and conservation in existing buildings
- Strategy #2: Pursue beneficial electrification in existing buildings
- Strategy #3: Implement green building standards for new buildings

Energy Supply

- Strategy #4: Increase renewable energy in grid mix
- Strategy #5: Increase production of onsite renewable energy
- Strategy #6: Increase energy supply from renewable natural gas (RNG), hydrogen, and power-to-gas

Transportation

- Strategy #7: Increase electric vehicle (EV) adoption
- Strategy #8: Support efficient land use, active transportation, public transportation, and transportation demand management (TDM) to reduce vehicle miles traveled
- Strategy #9: Increase fuel economy and use of low carbon fuels for transportation

Waste

- Strategy #10: Reduce the amount of waste generated and divert waste from landfills and incinerators
- Strategy #11: Responsibly manage all waste streams

Forestry and Land Use

- Strategy #12: Support Preservation and expansion of Quality Natural Resources

Detailed Review of Strategies on Mural Board

The Mural link will be sent via chat to All Panelists.



Wrap-up and Next Steps

Michelle Paul Heelan, Ph.D. – ICF Facilitator
Energy Subgroup

Candace Blair Cronin, Ph.D. – ICF Facilitator
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Review of Meeting Objectives

- **Provided an update** on status of CECAP process and administrative items
- **Reviewed** public feedback from public meetings and community survey
- **Reviewed** strategy discussion starters
- **Discussed** and began to add/endorse/modify strategies and actions via the Mural board

Next Steps

December 2020

- BOSEC update

January 2021

- Second round of Working Group sub-group meetings to continue discussion of strategies

Feedback

- How are we doing with...
 - Communications?
 - Meeting information?
 - Meeting length?
 - Ability for everyone to participate?
- Please provide your feedback in the WebEx chat box or by email to cecapoutreach@fairfaxcounty.gov.

Stay Informed

[CECAP Homepage Link](#)

[Office of Environmental & Energy
Coordination \(OEEC\) Climate Action
News Blog Link](#)

Twitter: @ffxgreen / #ffxCECAP

Follow for updates on the CECAP process, as well as information on climate and energy science, policy, and best practices.

Learn about the topics and trends driving the climate conversation in Fairfax County.

Thank You!

For further questions, please contact:

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[Link to the OEEC Climate Change Planning and Action Web Page](#)